

### ABSTRACT OF THE DISCLOSURE

A method for correlating behavior between two elements of a system to determine the presence of mutual interaction between the elements, the method including measuring the behavior of two elements of a system over time with respect to mutual interaction, thereby producing two behavior functions, expressing a plurality of constraints on a theoretical distance  $c$  between the behavior functions, and determining that the elements are behaving as mutually interacting elements where there exists an actual distance  $c$  satisfies the constraints.

10087793-030502